

**COMMUNICATION CONTROLLER AND METHOD OF TRANSFORMING
INFORMATION**

ABSTRACT OF THE DISCLOSURE

A communication controller (20) for communication on at least one communication bus (12, 14), each communication bus transferring a data stream according to a communication protocol, the communication controller comprising a communication handler (17) coupled to the at least one communication bus adapted to be programmable to perform transformations of the data stream. The communication controller is programmable on bit-level and allows updates / changes of the communication protocol in existing systems without changing the hardware. It further allows to use one communication controller type for several buses / communication protocols. (Fig. 1B)

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